

Attorney's Docket No. 1034284-000003
Application No. 10/549,759
Page 2

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

LISTING OF CLAIMS:

1. - 5. (Cancelled)

6. (Currently Amended) A method of treating a patient diagnosed with fibromyalgia comprising administering to the patient about 15 to about 360 mg of alpha-1-antitrypsin per kg patient body mass, and repeating the administration at least once with a periodicity of between 3 and 31 days.

7. (Previously Presented) The method of Claim 6, wherein alpha-1-antitrypsin is administered at a dose of between 25 and 60 mg/kg per week.

8. (Previously Presented) A method of treatment comprising administering sufficient alpha-1-antitrypsin to a patient diagnosed with fibromyalgia as will increase the patient's alpha-1-antitrypsin level by about 100% over basal level at about 7 days following administration and repeating the administration at least once at about 3 to 31 days.

9. (Previously Presented) The method of Claim 8, wherein the administration of alpha-1-antitrypsin is repeated at least once at about 7 to 21 days.

Attorney's Docket No. 1034284-000003

Application No. 10/549,759

Page 3

10. (Currently Amended) A method of treating a ~~patient~~ patient diagnosed with fibromyalgia comprising administering to the patient a quantity of alpha-1-antitrypsin as will increase serum alpha-1-antitrypsin levels to about 5-fold greater than basal levels at 24 hours following administration.

11. (Previously Presented) The method of Claim 10, wherein the administration is repeated one or more times at about 3 to 31 days.

12. (Previously Presented) The method of Claim 10, wherein the administration is repeated one or more times at about 7 to 21 days.

13. (Previously Presented) The method of Claim 10, wherein a quantity of alpha-1-antitrypsin is administered as will increase serum alpha-1-antitrypsin levels about 8-fold over basal levels at 24 hours following administration, and the administration is repeated one or more times at about 7 to 21 days.

14. (Previously Presented) A method of treating a patient diagnosed with fibromyalgia comprising administering to said patient by parenteral infusion about 15 to 360 mg alpha-1-antitrypsin per kg patient body mass, and repeating said infusion at least once at 3 to 31 days to effect a diminishment of the symptoms of fibromyalgia in said patient.

Attorney's Docket No. 1034284-000003

Application No. 10/549,759

Page 4

15. (Currently Amended) The method of Claim 14, wherein the dose of alpha-1-antitrypsin is between 25 and 60 mg of alpha-1-antitrypsin /kg body mass, and the infusion is repeated at least once at about 7 to 21 days.

16. (Previously Presented) The method of Claim 14, wherein the administration is carried out by intravenous infusion.

~~46~~ 17. (Currently Amended) The method of Claim 14, wherein the administration is carried out by intravenous infusion and the dose of alpha-1-antitrypsin is between 25 and 60 mg of alpha-1-antitrypsin/kg body mass, and the infusion is repeated at least once at about 7 to 21 days.